CLAIMS

1.   A method of treating pulp, by which method pulp is discharged from a process apparatus (10) and fed into a blow or storage tank (20), **characterized** in that the pulp may be fed into said tank (20) both to the upper and the lower part of it depending on the consistency of the pulp being fed from the said process apparatus (10) or the surface level of the pulp in said tank.

2.   A method according to claim 1, **characterized** in that the pulp feed is controlled by means of a consistency detector arranged in a discharge tube (32, 36) of said process apparatus, and/or a tank surface level detector.

3.   A method according to claim 2, **characterized** in that said consistency detector is a blow pump (34).

4.   A method according to claim 1, **characterized** in that said process apparatus (10) is a batch digester.

5.   A method according to claim 1 or 4, **characterized** in that the pulp feed is controlled according to a pre-determined consistency profile.

6.   A method according to claim 4 and 5, **characterized** in that said consistency profile has been determined as a function of time, whereby said pulp feed is controlled based on time passed from the beginning of the digester discharge.

7.   A method according to claim 4, **characterized** in that from the digester (10) pulp at a consistency below a certain consistency is discharged into the blow tank (20) through the upper part of the tank (20) and pulp at a consistency above said consistency is discharged into the blow tank (20) through the lower part of the tank (20).

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8.   A method according to claim 1, **characterized** in that the pulp fed into the tank (20) through the upper part of the tank (20) is distributed essentially onto the whole cross section of the tank (20).

9.   A method according to claim 1, **characterized** in that the pulp fed into the tank (20) through the upper part of the tank (20) is distributed essentially on top of the pulp already existing in the tank (20).

10.   Apparatus for treating pulp comprising at least one process apparatus (10) and one pump (34), a blow or storage tank (20) and a pipeline connecting these, **characterized** in that said pump (34) is connected to said blow or storage tank (20) via two feed pipes (40, 42).

11.   Apparatus according to claim 10, **characterized** in that at the pressure side of said blow pump (34) there are means (38) arranged for distributing the pulp flow to said feed pipes (40, 42).

12.   Apparatus according to claim 11, **characterized** in that said distribution means (38) is a valve by means of which the flow coming from the pump (34) is directed to one of said feed pipes (40, 42).

13.   Apparatus according to claim 11, **characterized** in that said distribution means comprises valves positioned in the feed pipes (40, 42).

14.   Apparatus according to claim 10, **characterized** in that in connection with the feed pipe (40) leading to the tank (20) through the upper part of the tank (20) there is arranged a device (44) distributing the pulp essentially uniformly into the tank (20).

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15.   Apparatus according to claim 10, **characterized** in that said apparatus is formed of a plurality of batch digesters (10) and one or more blow pumps and a blow tank (20) into which the digesters (10) are discharged.

5   16.   Apparatus according to claim 10, **characterized** in that said process apparatus is a press, a washer or a dilution device.

17.   Apparatus according to claim 10, **characterized** in that one (40) of said pipes leads essentially to the top of the tank (20) and the other one (42) essentially

10   to the bottom of the tank (20).

18.   Apparatus according to claim 10, **characterized** in that the apparatus further comprises a consistency and/or surface level detector for controlling the operation of the feed pipes (40, 42).